

INSTRUCTIONS FOR CONSTRUCTION CONTRACTOR ENVIRONMENT, SAFETY AND HEALTH REQUIREMENTS

These instructions provide an overview of the Laboratory's Environment, Safety and Health (ES&H) expectations for contractors. The Laboratory's expectations include a set of requirements which assures that contractors have a complete and integrated ES&H program and that their program be aggressively implemented. The Laboratory requirements are detailed in Appendix A of the Argonne Terms and Conditions which is provided to the successful contractor. Appendix A includes the clause, "Environment, Safety and Health", which defines contractor ES&H requirements including the Laboratory's contractor disciplinary program.

Within ten days of award of the contract, the contractor must submit the following:

A. Contractor ES&H Program and Implementation Plan

A comprehensive safety plan addresses all of the hazards expected to be encountered in the performance of the proposed contract. The plan must address how the contractor will implement the plan, including the designation of competent and responsible personnel. Attachment No. 1 - ESH Program and Implementation Plan Guide, ESH-224 (4/99), is a guide the Laboratory uses to evaluate proposed plans and may be useful in developing your proposed plan.

B. Environmental Plan

If required by the project specifications, the successful Contractor shall submit an Environmental Plan which addresses the potential environmental impacts of this work.

- a. If the work involves excavation, an erosion control plan will be required. This plan shall include the location and description of the area being excavated, the sewers, waterways, and roads to be protected, the erosion control measures to be installed, and a map of the area.
- b. A description of the erosion control installation, maintenance and inspection procedures and schedules, and a plan for the removal of the erosion control measures should also be included.

C. Job Safety Analysis (JSA)

The JSA is a detailed analysis of the steps taken to complete each phase of the job, a detailed analysis of the hazards of each of those tasks and the mitigation actions that will be taken to eliminate or minimize the exposure to those hazards. Further information on preparation of a JSA is available from the National Safety Council and other professional safety organizations. Attachment 2 - Construction Job Safety Analysis, ESH 209C (9/99), is a form that can be used to document the JSA and the Contractor Safety Orientation.

D. Contractor ES&H Representative

This is the contractor's designated competent member of his organization responsible for the implementation of the contractor's ES&H Program on the Laboratory site. This member must have the authority to fulfill this responsibility and must be on site during the entire job.

The Laboratory will review and must approve the above submittals prior to the start of work. Typically, after approval of these submittals, a pre-construction meeting is held by the procurement department to collectively review these documents and address open issues.

Before any contractor employee is allowed to start work at the Laboratory, the contractor employee must attend the Contractor Safety Orientation and the Job Safety Orientation.

E. Contractor Safety Orientation

A 1.5 hour training class provided by the Laboratory four days per week at 7:30 a.m. There is no cost to the contractor for this training.

F. Job Safety Orientation

The contractor ES&H representative shall instruct each contractor employee on the details of the Job Safety Analysis for this work. Each contractor employee must read and sign the Job Safety Analysis and this document must be available at the job site at all times. Also, prior to starting work in some Laboratory buildings, the Contractor employees must attend a Building Orientation.

Other items that must be posted or available at the job site include MSDS sheets, DOE poster, emergency phone numbers, workers compensation notice, all permits and all approved hazard specific plans.

Prior to the use of tools, the Laboratory will conduct a tool and equipment inspection.

G. Tool Inspection

Upon arrival, the Laboratory will inspect contractor tools for compliance with OSHA, ANL, and other applicable requirements and industry standards. Unsatisfactory tools must be tagged out of service and removed from the ANL site at the end of the work shift.

As dictated by the scope of work and the mitigating actions necessary to address specific hazards, additional hazard specific plans or permits may be required. Examples of these include, but are not limited to:

- H. Open Flame Permit
- I. Electrical Hot Work Permit
- J. Respiratory Protection Plan
- K. Confined Space Entry Plan
- L. Asbestos Abatement Plan
- M. Work Entry Permit

- N. Dig Permit
- O. Coring Checklist
- P. Fall Protection Plan
- Q. Hoisting and Rigging Plan

The contractor shall work with the Laboratory in planning for, developing as needed, and obtaining approval of these plans and permits.

R. Laboratory Site Rules and Safety Requirements

The Laboratory enforces a series of site rules and requirements. Not unlike other large sites, the Laboratory specifies unacceptable contractor employee acts or conduct, and provides a listing of site safety requirements addressing areas of frequent violation and/or serious hazard potential.

S. In Case of Emergency

The contractor must immediately report all accidents and unauthorized releases to the environment. Follow-up actions such as written reporting of the incident along with corrective action is mandatory.

The Laboratory has a well established contractor safety program. Our goal is for work at the Laboratory to be free of incidents that threaten the environment, the safety and health of contractor and Laboratory employees and the public, or the safety of personal, contractor or Laboratory property.

ES&H PROGRAM AND IMPLEMENTATION PLAN REVIEW GUIDE

Date of Contractor's Plan: _____

Date Reviewed: _____

Contractor: _____

Contract Number: _____

Job Number: _____

Job Title: _____

Reviewer: _____

| | | <u>REF</u> | <u>Aprvd</u> | <u>Not Aprvd</u> | <u>Not Req'd</u> |
|-----|---|-------------------|--------------|----------------------|----------------------|
| I | CONTRACTOR'S ES&H POLICY STATEMENT | | | | |
| | • Must be signed by a responsible company officer. | _____ | _____ | _____ | _____ |
| II | CONTRACTOR'S ES&H ORGANIZATION | | | | |
| | • Safety Representative | _____ | _____ | _____ | _____ |
| | – Responsibilities | _____ | _____ | _____ | _____ |
| | – Qualifications | _____ | _____ | _____ | _____ |
| III | GENERAL SAFETY AND HEALTH PROVISIONS | | | | |
| | • Safety training and education and awareness (Ref. Training Requirements in OSHA Standards and Training Guidelines, OSHA 2254) | _____ | _____ | _____ | _____ |
| | • Orientation | | | | |
| | – 1 ½ Construction Safety and Building Orientation | _____ | _____ | _____ | _____ |
| | – Hazard Communication Program | _____ | _____ | _____ | _____ |
| | – Job Safety analysis | _____ | _____ | _____ | _____ |
| | • Recording and Reporting of Injuries | | | | |
| | – OSHA 200 Log | _____ | _____ | _____ | _____ |
| | – Doe Form | _____ | _____ | _____ | _____ |
| | – ESH 197 Accident Forms | _____ | _____ | _____ | _____ |
| | – Verbal to ANL CFR | _____ | _____ | _____ | _____ |
| | • Housekeeping | <u>1926.25</u> | _____ | _____ | _____ |
| | • Acceptable certification for pressure vessels, boilers, cranes and other equipment. | <u>1926.29</u> | _____ | _____ | _____ |
| | • Employee involvement, free of retaliation | _____ | _____ | _____ | _____ |
| | • Inspection plan | _____ | _____ | _____ | _____ |
| | • Meetings | _____ | _____ | _____ | _____ |
| | • Confined spaces | <u>1926.21</u> | _____ | _____ | _____ |
| | • Training Certifications | <u>1926.352,3</u> | _____ | _____ | _____ |

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| | • Permits | <u> </u> | <u> </u> | <u> </u> | <u> </u> |
| | • Temporary building and facilities | <u> </u> | <u> </u> | <u> </u> | <u> </u> |
| | • Submittals to the Laboratory | <u> </u> | <u> </u> | <u> </u> | <u> </u> |
| IV | OCCUPATIONAL HEALTH AND ENVIRONMENTAL CONTROLS | | | | |
| | • Medical services and first-aid [Ref. SC-1 (D)] | <u>1926.50</u> | <u> </u> | <u> </u> | <u> </u> |
| | • Sanitation | <u>1926.51</u> | <u> </u> | <u> </u> | <u> </u> |
| | • Occupational noise exposure | <u>1926.52</u> | <u> </u> | <u> </u> | <u> </u> |
| | • Ionization radiation (X-rays, Nuclear Density, etc.) | <u>1926.53</u> | <u> </u> | <u> </u> | <u> </u> |
| | • Nonionization radiation (Laser) | <u>1926.54</u> | <u> </u> | <u> </u> | <u> </u> |
| | – Training | <u> </u> | <u> </u> | <u> </u> | <u> </u> |
| | – Operator qualifications | <u> </u> | <u> </u> | <u> </u> | <u> </u> |
| | • Gases, vapors, fumes, dusts and mist | <u>1926.55</u> | <u> </u> | <u> </u> | <u> </u> |
| | • Illumination | <u>1926.56</u> | <u> </u> | <u> </u> | <u> </u> |
| | • Ventilation | <u>1926.57</u> | <u> </u> | <u> </u> | <u> </u> |
| | • Asbestos | <u>1926.58</u> | <u> </u> | <u> </u> | <u> </u> |
| | • Hazard communication program | <u>1926.59</u> | <u> </u> | <u> </u> | <u> </u> |
| | – Training | <u> </u> | <u> </u> | <u> </u> | <u> </u> |
| | – MSDS | <u> </u> | <u> </u> | <u> </u> | <u> </u> |
| | – Personal protective equipment | <u> </u> | <u> </u> | <u> </u> | <u> </u> |
| | – Labeling | <u> </u> | <u> </u> | <u> </u> | <u> </u> |
| | • Carcinogens | <u> </u> | <u> </u> | <u> </u> | <u> </u> |
| V | PERSONAL PROTECTIVE AND LIFE SAVING EQUIPMENT | | | | |
| | • Head protection | <u>1926.100</u> | <u> </u> | <u> </u> | <u> </u> |
| | • Hearing protection | <u>1926.101</u> | <u> </u> | <u> </u> | <u> </u> |
| | • Eye and face protection | <u>1926.102</u> | <u> </u> | <u> </u> | <u> </u> |
| | • Foot protection | <u> </u> | <u> </u> | <u> </u> | <u> </u> |
| | • Hand protection | <u> </u> | <u> </u> | <u> </u> | <u> </u> |
| | • Protection of other body parts | <u> </u> | <u> </u> | <u> </u> | <u> </u> |
| | • Respiratory protection | <u>1926.103</u> | <u> </u> | <u> </u> | <u> </u> |
| | • Safety belts, lifelines and lanyards | <u>1926.104</u> | <u> </u> | <u> </u> | <u> </u> |
| | • Safety nets | <u>1926.105</u> | <u> </u> | <u> </u> | <u> </u> |
| | • Minimum dress requirements | <u> </u> | <u> </u> | <u> </u> | <u> </u> |
| VI | FIRE PROTECTION AND PREVENTION | | | | |
| | • Protection | <u>1926.150</u> | <u> </u> | <u> </u> | <u> </u> |
| | • Prevention | <u>1926.151</u> | <u> </u> | <u> </u> | <u> </u> |
| | • Flammable and combustible liquids | <u>1926.153</u> | <u> </u> | <u> </u> | <u> </u> |
| | • Liquefied petroleum gas (LPG) | <u>1926.154</u> | <u> </u> | <u> </u> | <u> </u> |
| | • Temporary heating devices | <u>1926.154</u> | <u> </u> | <u> </u> | <u> </u> |
| | • Fire extinguishers | <u>1926.150</u> | <u> </u> | <u> </u> | <u> </u> |

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| VII | SIGNS, SIGNALS, FLAGGING AND BARRICADES | | | | |
| | • Accident prevention signs and tags | 1926.200 | | | |
| | • Signals | 1926.201 | | | |
| | – Lab sirens/horns | | | | |
| | • Flagging | | | | |
| | • Barricades | 1926.200 | | | |
| | • Existing Laboratory postings | | | | |
| VIII | MATERIALS HANDLING, STORAGE, USE AND DISPOSAL | | | | |
| | • General requirements for storage | 1926.250 | | | |
| | • Rigging equipment for material handling | 1926.251 | | | |
| | • Disposal of waste material | | | | |
| | • Fork Lifts and attachments | | | | |
| IX | TOOLS - HAND AND POWER | | | | |
| | • General requirements | 1926.300 | | | |
| | • Hand tools | 1926.301 | | | |
| | • Power operated tools - guards | 1926.302 | | | |
| | • Abrasive wheels and tools | 1926.303 | | | |
| | • Woodworking tools | 1926.304 | | | |
| | • Jacks, lever and ratchet, screw and hydraulic | 1906.305 | | | |
| X | WELDING AND CUTTING | | | | |
| | • Gas welding and cutting | 1926.350 | | | |
| | • Arc welding and cutting | 1926.351 | | | |
| | • Fire prevention and fire watch | 1926.352 | | | |
| | • Ventilation and protection in welding, cutting and heating | 1926.353 | | | |
| | • Lead abatement, chemical stripping, HEPA exhaust | | | | |
| | • Welding, cutting and heating in wav of preservative coating | 1926.354 | | | |
| | • Permits | | | | |
| XI | ELECTRICAL | | | | |
| | • Wiring design and protection | 1926.404 | | | |
| | – GFCI Required | | | | |
| | • Wiring methods, components and equipment for general use | 1926.405 | | | |
| | • Specific purpose equipment and installation | 1926.406 | | | |
| | • Hazardous (classified) locations | 1926.407 | | | |
| | • Special systems | 1926.408 | | | |
| | • Lockout and tagging of circuits and energized sources | 1926.417 | | | |
| | • Verifying of circuits and energized sources | | | | |
| | • Maintenance of equipment | 1926.431 | | | |
| | • Environmental deterioration of equipment | 1926.432 | | | |
| | • Battery location and battery charging | 1926.441 | | | |
| | • Permits | | | | |

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| | <ul style="list-style-type: none"> Hot work - CPR trained safety watch | <u> </u> | <u> </u> | <u> </u> | <u> </u> |
| XII | LADDERS AND SCAFFOLDS | | | | |
| | <ul style="list-style-type: none"> Ladders (Metal ladders are prohibited) | <u>1926.450</u> | <u> </u> | <u> </u> | <u> </u> |
| | <ul style="list-style-type: none"> Scaffolds - Competent person requirements | <u>1926.451</u> | <u> </u> | <u> </u> | <u> </u> |
| | <ul style="list-style-type: none"> Pickboards | <u> </u> | <u> </u> | <u> </u> | <u> </u> |
| XIII | FLOORS AND WALL OPENINGS AND STAIRWAYS | | | | |
| | <ul style="list-style-type: none"> Guardrails, handrails and covers | <u>1926.500</u> | <u> </u> | <u> </u> | <u> </u> |
| | <ul style="list-style-type: none"> Stairways | <u>1926.501</u> | <u> </u> | <u> </u> | <u> </u> |
| XIV | CRANES, DERRICKS, HOIST, ELEVATORS AND CONVEYORS | | | | |
| | <ul style="list-style-type: none"> plans | <u>1926.550</u> | <u> </u> | <u> </u> | <u> </u> |
| | <ul style="list-style-type: none"> Material hoists, personnel hoists and elevators | <u>1926.552</u> | <u> </u> | <u> </u> | <u> </u> |
| | <ul style="list-style-type: none"> Base-mounted drum hoists | <u>1926.553</u> | <u> </u> | <u> </u> | <u> </u> |
| | <ul style="list-style-type: none"> Overhead hoists | <u>1926.554</u> | <u> </u> | <u> </u> | <u> </u> |
| | <ul style="list-style-type: none"> Conveyors | <u>1926.555</u> | <u> </u> | <u> </u> | <u> </u> |
| | <ul style="list-style-type: none"> Aerial lifts | <u>1926.556</u> | <u> </u> | <u> </u> | <u> </u> |
| | <ul style="list-style-type: none"> Backup alarms | <u> </u> | <u> </u> | <u> </u> | <u> </u> |
| | <ul style="list-style-type: none"> Certifications for annual inspections | <u> </u> | <u> </u> | <u> </u> | <u> </u> |
| | <ul style="list-style-type: none"> Operation certification and physical requirements | <u> </u> | <u> </u> | <u> </u> | <u> </u> |
| XV | MOTOR VEHICLES, MECHANIZED EQUIPMENT AND MARINE OPERATIONS | | | | |
| | <ul style="list-style-type: none"> Equipment | <u>1926.600</u> | <u> </u> | <u> </u> | <u> </u> |
| | <ul style="list-style-type: none"> Motor vehicles | <u>1926.601</u> | <u> </u> | <u> </u> | <u> </u> |
| | <ul style="list-style-type: none"> Material handling equipment | <u>1926.602</u> | <u> </u> | <u> </u> | <u> </u> |
| | <ul style="list-style-type: none"> Pile driving equipment | <u>1926.603</u> | <u> </u> | <u> </u> | <u> </u> |
| | <ul style="list-style-type: none"> Site clearing | <u>1926.604</u> | <u> </u> | <u> </u> | <u> </u> |
| | <ul style="list-style-type: none"> Marine operations and equipment | <u>1926.605</u> | <u> </u> | <u> </u> | <u> </u> |
| | <ul style="list-style-type: none"> Operation certification and physical requirements | <u> </u> | <u> </u> | <u> </u> | <u> </u> |
| | <ul style="list-style-type: none"> Backup alarms | <u> </u> | <u> </u> | <u> </u> | <u> </u> |
| XVI | EXCAVATIONS, TRENCHING AND SHORING | | | | |
| | <ul style="list-style-type: none"> General protection requirements <ul style="list-style-type: none"> Competent person/Qualifications | <u>1926.650</u> | <u> </u> | <u> </u> | <u> </u> |
| | <ul style="list-style-type: none"> Specific excavation requirements | <u>1926.651</u> | <u> </u> | <u> </u> | <u> </u> |
| | <ul style="list-style-type: none"> Specific trenching requirements | <u>1926.652</u> | <u> </u> | <u> </u> | <u> </u> |
| | <ul style="list-style-type: none"> Permits | <u> </u> | <u> </u> | <u> </u> | <u> </u> |
| | <ul style="list-style-type: none"> Confined space provisions | <u>1926.21</u> | <u> </u> | <u> </u> | <u> </u> |
| | <ul style="list-style-type: none"> Fencing | <u> </u> | <u> </u> | <u> </u> | <u> </u> |
| XVII | CONCRETE AND MASONRY | | | | |
| | <ul style="list-style-type: none"> General requirements | <u>1926.701</u> | <u> </u> | <u> </u> | <u> </u> |
| | <ul style="list-style-type: none"> Requirements for equipment and tools | <u>1926.702</u> | <u> </u> | <u> </u> | <u> </u> |
| | <ul style="list-style-type: none"> Requirements for cast-in-place concrete | <u>1926.703</u> | <u> </u> | <u> </u> | <u> </u> |
| | <ul style="list-style-type: none"> Requirements for precast concrete | <u>1926.704</u> | <u> </u> | <u> </u> | <u> </u> |

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| | • Requirements for lift-slab operations | <u>1926.705</u> | <u> </u> | <u> </u> | <u> </u> |
| | • Requirements for masonry construction | <u>1926.706</u> | <u> </u> | <u> </u> | <u> </u> |
| | • Requirements for saw cutting | <u> </u> | <u> </u> | <u> </u> | <u> </u> |
| XVIII | STEEL ERECTION | | | | |
| | • Flooring requirements | <u>1926.750</u> | <u> </u> | <u> </u> | <u> </u> |
| | • Structural steel assembly | <u>1926.751</u> | <u> </u> | <u> </u> | <u> </u> |
| | • Bolting, riveting, fitting-up and plumbing-up | <u>1926.752</u> | <u> </u> | <u> </u> | <u> </u> |
| | • Fall protection plans | <u>1926.104</u> | <u> </u> | <u> </u> | <u> </u> |
| | • Crane use - lift plans | <u>1926.105</u> | <u> </u> | <u> </u> | <u> </u> |
| XIX | UNDERGROUND CONSTRUCTIONS, CAISSON, COFFERDAMS, AIR COMPRESSORS | | | | |
| | • Underground construction | <u>1926.800</u> | <u> </u> | <u> </u> | <u> </u> |
| | • Caissons | <u>1926.801</u> | <u> </u> | <u> </u> | <u> </u> |
| | • Cofferdams | <u>1926.802</u> | <u> </u> | <u> </u> | <u> </u> |
| | • Compressed air | <u>1926.803</u> | <u> </u> | <u> </u> | <u> </u> |
| | • Confined space provisions | <u>1926.21</u> | <u> </u> | <u> </u> | <u> </u> |
| XX | DEMOLITION | | | | |
| | • Preparatory operations | <u>1926.850</u> | <u> </u> | <u> </u> | <u> </u> |
| | • Stairs, passageways, and ladders | <u>1926.851</u> | <u> </u> | <u> </u> | <u> </u> |
| | • Chutes | <u>1926.852</u> | <u> </u> | <u> </u> | <u> </u> |
| | • Removal of material through floor openings | <u>1926.853</u> | <u> </u> | <u> </u> | <u> </u> |
| | • Removal of walls, masonry sections and chimneys | <u>1926.854</u> | <u> </u> | <u> </u> | <u> </u> |
| | • Manual removal of floors | <u>1926.855</u> | <u> </u> | <u> </u> | <u> </u> |
| | • Removal of walls, floors, and material with equipment | <u>1926.856</u> | <u> </u> | <u> </u> | <u> </u> |
| | • Storage | <u>1926.857</u> | <u> </u> | <u> </u> | <u> </u> |
| | • Removal of steel construction | <u>1926.858</u> | <u> </u> | <u> </u> | <u> </u> |
| | • Mechanical demolition | <u>1926.859</u> | <u> </u> | <u> </u> | <u> </u> |
| | • Asbestos removal | <u> </u> | <u> </u> | <u> </u> | <u> </u> |
| | • Lead base painted surfaces | <u> </u> | <u> </u> | <u> </u> | <u> </u> |
| | • Lockout/Tagout procedures | <u> </u> | <u> </u> | <u> </u> | <u> </u> |
| | • Fencing/signage | <u> </u> | <u> </u> | <u> </u> | <u> </u> |
| XXI | BLASTING AND USE OF EXPLOSIVES | | | | |
| | • Not allowed | <u> </u> | <u> </u> | <u> </u> | <u> </u> |
| XXII | POWER TRANSMISSIONS AND DISTRIBUTION | | | | |
| | • General requirements | <u>1926.950</u> | <u> </u> | <u> </u> | <u> </u> |
| | • Tools and protective equipment | <u>1926.951</u> | <u> </u> | <u> </u> | <u> </u> |
| | • Mechanical equipment | <u>1926.953</u> | <u> </u> | <u> </u> | <u> </u> |
| | • Material handling | <u>1926.953</u> | <u> </u> | <u> </u> | <u> </u> |
| | • Grounding for protective equipment | <u>1926.954</u> | <u> </u> | <u> </u> | <u> </u> |
| | • Overhead lines | <u>1926.955</u> | <u> </u> | <u> </u> | <u> </u> |
| | • Underground lines | <u>1926.956</u> | <u> </u> | <u> </u> | <u> </u> |

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| | • Construction in energized stations | 1926.957 | | | |
| | • External load helicopters | 1926.958 | | | |
| | • Lineman's body belts, safety straps and lanyards | 1926.959 | | | |
| XXIII | ROLLOVER PROTECTIVE STRUCTURES; OVERHEAD PROTECTION | | | | |
| | • Rollover protective structures (ROPS) | 1926.1000 | | | |
| | • Minimum performance criteria for rollover protective structures for designated scrapers, loaders, dozers, grades and crawler tractors | 1926.1001 | | | |
| | • Protective frame (ROPS) test procedures and performance requirements for wheel-type agricultures and industrial tractors used in construction | 1926.1002 | | | |
| XXIV | ENERGIZED SYSTEMS (PIPING, HVAC, ELECTRICAL, ETC.) | | | | |
| | • Lockout and Tagout procedures | | | | |
| XXV | ENVIRONMENTAL PROGRAM | | | | |
| XXVI | DRUG FREE WORK PLACE | | | | |
| XXVII | DISCIPLINARY PROGRAM | | | | |
| XXVIII | JOB SAFETY ANALYSIS REQUIREMENTS AND PROVISIONS | | | | |
| | • Safety Representative: Name and qualifications | | | | |
| | • Location of "Occupational Safety and Health Protection Poster" (Form DOE F-5480.1) and complaint forms. | | | | |
| | • Emergency telephone numbers | | | | |
| | • Hazards addressed in Special Conditions of the Specifications | | | | |
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The contractor's ES&H Program and Implementation Plan dated _____ has been:

_____ Approved _____ Approved as Noted _____ Not Approved; Resubmitted

ESH-CS Representative

Project Manager

ESH-IH Representative

ESH-HP Representative

EMO Representative

Construction Job Safety Analysis**Attachment 2**

This form is to be completed by the contractor and submitted to the Project Manager for approval prior to work commencement. In addition this form is to be maintained at the job site where work is being performed.

Job Title: _____

Contract Number: _____ **Building/Area:** _____

CONTRACTOR**ANL**

Contractor: _____ **Project Manager:** _____

Project Manager: _____ **Phone:** _____

Phone No: _____ **Construction Safety:** _____

Foreman: _____ **Phone:** _____ **Page:** _____

Phone No: _____ **Page:** _____ **C.F.R.** _____

ESH Rep. _____ **Phone:** _____ **Page:** _____

Phone No.: _____ **Page:** _____ **Other:** _____

DESIGNATED COMPETENT PERSON**ESH Approvals**

Excavation: _____
(29CFR:1926.650)

☐ **Approved**

Confined Space: _____
29CFR:1926.21)

☐ **Approved as Noted**

Scaffolding: _____
(29CFR:1926.451)

☐ **Not Approved - Resubmit**

ESH-EC **Date:** _____

ESH-CS **Date:** _____

- The contractor ESH Representative must hold an Orientation with all employees prior to work identifying the hazards related to their Scope of Work and have each person sign the signature sheet attached.
- Identify location of **Emergency Telephones** and designated **Tornado Shelters** in relationship to the work site and provide phone numbers: **Laboratory Phone - 911, Cellular - 630-252-1911.**
- Emphasize compliance with **OSHA 29CFR:1926.**
- Utilizing the format on attached pages, identify hazards and safety precautions/procedures to mitigate hazards.

| Phase of Work | Safety Hazard | Precautions/Safety Procedures |
|---------------|---------------|-------------------------------|
| | | |

Material Safety Data Sheets (MSDS)

Hazardous materials used on this site are:

- | | | |
|----------|----------|----------|
| 1. _____ | 3. _____ | 5. _____ |
| 2. _____ | 4. _____ | 6. _____ |

Location of MSDS:

- | | | |
|----------|----------|----------|
| 1. _____ | 3. _____ | 5. _____ |
| 2. _____ | 4. _____ | 6. _____ |

Review of Emergency Routes and Assembly Point:

Basic Information

- * _____
- * _____
- * _____

*Use separate sheets as necessary.

Basic Safety Rule Reminders:

1. Safety hat and safety glasses with side shields required as a minimum.
2. Inspect all tools and equipment for OSHA compliance before use.
3. Fall protection required when working heights above 6 feet when handrail or other fall protection is not provided.
4. Flag work areas and post warning signs.
5. Ground fault circuit interrupters (GFCI's) are required on all 110 and 120 volt receptacles.
6. Stairways, passageways, and access ways must be kept free of materials and equipment.
7. Orderly housekeeping shall be maintained.
8. Report all injuries/illnesses and near misses.
9. Metal ladders are prohibited.
10. **NO DUMPING OF ANY KIND SHALL BE PERFORMED ON SITE WITHOUT USE OF A QUALIFIED AND COMPETENT SPOTTER.**

Signature Sheet

Contractor: _____ Building/Area: _____

Contract Number: _____ Job Title: _____

Superintendent: _____ Company (not ANL)
ES&H Rep: _____

The ESH representative is responsible to see that all truck drivers receive first hand instruction to alert them to all hazards, particularly aerial hazards.

All trucks must lower their beds before driving away after dumping their loads.

This instruction to the drivers may be communicated by any of the contractors personnel, but the ESH Rep is the responsible person to see that this information is properly conveyed to the drivers.

A SPOTTER IS REQUIRED FOR ALL DUMPING OPERATIONS IN ORDER TO AVOID DAMAGE TO ANL PROPERTY.

ES&H information relative to this job has been reviewed with me by my company ES&H representative.

| Name (please print) | Badge No. | Signature | Date |
|---------------------|-----------|-----------|-------|
| _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ |

Note: Contractor representative will provide a copy of this sheet with initial signatures and all added signatures to the ANL Construction Field Representative daily.